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# New Science and Technology Journals

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## NEW SCIENCE AND TECHNOLOGY JOURNALS

Earl Mounts, Editor

*Advances in Geometry*. 1615-715X. Editors: T. Grundhofer and K. Strambach. DeGruyter. v.1, 2001. 4/year. \$149.00. <http://www.degruyter.de/journals/advgeom/index.html>

*Advances in Geometry* is a mathematical journal for the publication of original research articles of excellent quality in the broad area of geometry.

*Applied General Topology*. 1576-9402. Editors: S. Romaguera and M. Sanchis. Universidad Polit cnica de Valencia. v.1, 2000. 2/year. \$90.00. <http://at.yorku.ca/i/a/a/j/00.htm>

The international journal *Applied General Topology* publishes only original research papers related to the interactions between general topology and other mathematical disciplines as well as topological results with applications to other areas of science, and the development of topological theories of sufficiently general relevance to allow for future applications.

*ComPlexUs*. 1424-8492. Editor: H. Atlan. Karger. v.1, 2002. 4/year. \$524.00. [http://www.karger.com/journals/cpu/cpu\\_jh.htm](http://www.karger.com/journals/cpu/cpu_jh.htm)

*ComPlexUs* publishes original articles offering significant new insights into the functioning of biological systems at a complex or integrated level, especially concerning the molecular, genetic and cellular mechanisms underlying the networks involved in gene regulation and organism development, intercellular transport, and the functioning of the immune and central nervous systems. The formidable complexity of such systems demands new experimental and theoretical tools; hence, *ComPlexUs* aims to facilitate communication between researchers in a variety of fields such as medicine, neuroscience, biology, sociology, ecology and bioinformatics, as well as physics, mathematics and economics, from which useful analytical and experimental techniques may be borrowed.

*Concrete Science and Engineering*. 1295-2826. Editors: S. Shah et al. RILEM Publications. v.1, 1999. 4/year. \$200.00. <http://www.rilem.org/cse.html>

*Concrete Science and Engineering* provides a unique international and interdisciplinary forum for new, unpublished research concerning the properties and performance of cement-based materials. The journal is dedicated to the publication of high-quality papers reporting the latest research results on fundamental relationships between microstructure, processing and engineering

properties of cementitious materials. These advances combine theoretical knowledge of physics, chemistry, and, more generally, of materials science, with the experimental improvements in mechanics and materials engineering. Contributions on materials modeling are of prime interest.

*Ecological Management and Restoration*. Editor: T. McDonald. Blackwell Munksgaard. v.1, 2000. 3/year. \$180.00. <http://www.blackwell-synergy.com/servlet/useragent?func=showIssues&code=emr>

*Ecological Management and Restoration* answers the growing need among land managers for reliable, relevant information and acknowledges the need for two-way communication in devising new hypotheses, sound experimentation, effective treatments and reliable monitoring. Topics include improved management and restoration of plant communities, fauna and habitat; coastal, marine and riparian zones; restoration ethics and philosophy; planning; monitoring and assessment; policy and legislation; landscape pattern and design; integrated ecosystems management; socioeconomic issues and solutions; techniques and methodology; threatened species; genetic issues; indigenous land management; weeds and feral animal control; landscape arts and aesthetics; education and communication; community involvement.

*EG-Models*. Editors: M. Joswig and K. Polthier. Berlin Technical University. <http://www-sfb288.math.tu-berlin.de/eg-models/index.html>

The first collection of reviewed electronic geometry models is available online. This archive is open for any geometer to publish new geometric models, or to browse this site for material to be used in education and research. The geometry models in this archive cover a broad range of mathematical topics from geometry, topology, and to some extent from numerics. Examples are geometric surfaces, algebraic surfaces, topological knots, simplicial complexes, vector fields, curves on surfaces. The archive accepts experimental data from numerical finite element simulations to allow validation of an experiment by others. All models in the archive are reviewed by an international team of editors.

*Gastronomica: the Journal of Food and Culture*. 1529-3262. University of California Press. v.1, 2001. 4/year. \$34.00. [www.gastronomica.org](http://www.gastronomica.org)

Inside *Gastronomica* you'll find an eclectic mix of articles and features from contributors with a passion for food and a deep interest in understanding its place in our lives. *Gastronomica* draws together a rich variety of academic investigations, accessible features, and gorgeous imagery - all focused on food as an important source of knowledge. Its explorations of food as a serious art and as a vibrant, sensual experience provide a vital resource for anyone interested in the intersection of food, culture, and society.

*International Journal of Fluid Power*. 1439-9776. Editor: M. Ivantysynova. FPNI and TuTech GmbH. 3/year. \$130.00. <http://journal.fluid.power.net/>

The *International Journal of Fluid Power* represents the first scientific journal dedicated to fluid power published in English. The journal provides essential reading for engineers and academics interested in advances in modern fluid power technology. Furthermore, the journal keeps the reader informed about research results, new developments and trends in fluid power in the following key areas: analysis, modelling and control, monitoring and fault diagnosis, artificial intelligence applications, component and systems design, computer software and hardware interfacing and computer aided engineering for both static and dynamic analysis of fluid power systems.

*Journal of Optical Networking*. 1536-5379. Editor: R. Barry. Optical Society of America. v.1, 2002. 12/year. \$1,033.00. <http://www.osa-jon.org/>

The *Journal of Optical Networking* is focused on all aspects of optical networking. Besides basic research, *JON*'s sections include "Industrial Corner" (articles related to engineering, planning and operating actual revenue-generating optical networks); "Standards Watch" (expert short articles concerned with activities undertaken by standards organizations); and Book Reviews. From time to time, *JON* will publish special feature issues focusing on areas of specific scientific or industry interest.

*Journal of Philosophy, Science and Law*. Editor: J. Borenstein. Georgia Tech School of Public Policy. <http://www.psljournal.com/index.html>

The *Journal of Philosophy, Science and Law* is an interdisciplinary forum dedicated to examining issues in the intersection of applied philosophy, science, and the law. As science and technology advance, there will continue to be challenging philosophical and legal issues that need to be sorted out and thoroughly investigated. An analysis of these issues can have a significant and positive impact on educational programs, public policy, and professional practice. The *Journal* seeks to stimulate research and publish articles in the following areas: philosophical issues associated with science policy and the growth of technology;

philosophy, the legal system, and scientific evidence; the influence of legal and ethical guidelines on scientific research; and educational issues relating to how legal and ethical guidelines are taught within scientific fields.

*Sound Journal*. Editors: A. Beck and D. Reason. University of Kent. <http://www.ukc.ac.uk/sdfva/sound-journal/index.html>

*Sound Journal* is published online and submissions are reviewed by the editorial board. Articles cover sound theory, sound and the media, music, radio, radio drama, theatre and sound, voice, the soundscape, the film sound-track, the anthropology of sound, sound and psychoanalysis, sound and culture, sound and semiotics, sound and history, sound and technology, sound and education, acoustics, creative sound works, sound and cyberspace, sound events in real-life interaction. The e-journal is published in full color, with sound, animations, and other multimedia elements.

*Traffic: the International Journal of Intracellular Transport*. 1398-9219. Editors: F.M. Brodsky et al. Blackwell Munksgaard. 12/year. \$432.00. <http://www.blackwellmunksgaard.dk/tidsskrifter.nsf/tidsskrifter/Traffic/aimandscope?OpenDocument>

*Traffic* covers the cell biology and biochemistry of intracellular transport in health and disease. Specific topics of focus include membrane protein and lipid traffic, intracellular motility, protein transport across membranes, membrane protein assembly and degradation, antigen processing, and the structure, function and regulation of molecules involved in these pathways. Infectious and hereditary diseases with intracellular pathogenesis affecting these processes are also a major focus.

*Weed Biology and Management*. Editor: K. Kobayashi. Blackwell Munksgaard. v.1, 2001. 4/year. \$253.00. <http://www.blackwell-synergy.com/servlet/useragent?func=showIssues&code=wbm>

*Weed Biology and Management* aims to extend current knowledge in weed science with the publication of peer-reviewed original research articles, reviews, technical reports and short communications relating to weed taxonomy, ecology and physiology, weed management and control methodologies, herbicide behaviors in plants, soils and environment, utilization of weeds and other aspects of weed science. The journal welcomes contributions from weed scientists in the Asia Pacific region in particular and is published with the cooperation and encouragement of many of the national weed science societies affiliated with the Asian-Pacific Weed Science Society (APWSS).